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THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
DIPLOMA IN EDUCATION EXAMINATION

735

AGRICULTURE TEACHING METHODS

Time: 3 Hours

Wednesday 13th February 2008 p.m.

Instructions

1. This paper consists of sections A, B and C.
2. Answer **all** questions in sections A and B and **two (2)** questions from section C.
3. Cellular phones are **not** allowed in the examination room.
4. Write your **Examination Number** on every page of your answer booklet(s).

Handwritten notes in red ink:
1. Answer all questions in sections A and B and two (2) questions from section C.
2. Write your Examination Number on every page of your answer booklet(s).

This paper consists of 3 printed pages.

SECTION A (36 marks)

Answer **all** questions in this section.

1. Give **four (4)** features of a good scheme of work. *Derived from syllabus, show logical sequence and sub-topics, specific time, have two*
2. Define the following terms as used in teaching Agricultural science.
 - (a) Illustrative experiment. *showing the procedure in the laboratory*
 - (b) Investigative experiment. *activity in the laboratory*
3. When teaching primary tillage equipment, which are the **six (6)** most important parts to be included in the teacher's lesson short notes?
4. Which are the **four (4)** factors that should be considered before using a diagram as a teaching and learning aid? *Illustration, map, figure, manual*
5. Mention **two (2)** basic curriculum materials. *Textbook, supplementary material*
6. List down **four (4)** areas that should be considered before evaluating a lesson. *Level of understanding, interaction, cooperation*
7. Give **four (4)** reasons that make teachers realize the importance of writing the number of students in their lesson plans. *Evaluation, preparation of T/L cards, for absence help*
8. Mention **four (4)** major features of an instructional specific objective targeted for a specific lesson. *Specific, measurable, attainable, relevant*
9. List down **four (4)** qualities of a syllabus. *Learning objectives, specific in terms of subject and learner, T/L materials, Allocation of T/L materials, Level of learners*

SECTION B (40 marks)

Answer **both** questions in this section.

10. Imagine you are a Veterinary Officer who has been invited as a guest speaker on poultry diseases. Prepare a presentation to your pupils on **five (5)** common poultry diseases in Tanzania under the following sub-headings:
 - (a) Name of the disease. *Newcastle, Infectious Bursal Disease*
 - (b) Symptoms. *fever, lethargy, diarrhoea*
 - (c) Transmission. *airborne, contact, insect*
 - (d) Treatment. *supportive, antibiotics*
 - (e) Control. *biosecurity, vaccination, isolation*

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(a) Produce a page of text, to be filled in each column.

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(b) Explain briefly the importance of agricultural science.

Write an essay that can motivate secondary school students to like studying Agricultural science.

Write an essay on Agricultural science.

Prepare a double period lesson for form III pupils on Aiming at Marketing with a Specific Objective. The pupils have a knowledge on the eight (8) basic factors on which supply of a commodity or good depends when producers offer for sale at ceteris paribus.

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